

Abstract

The invention relates to a self-cleaning lighting device comprising a light source and a wall, which permits a portion of at least the radiation emitted by said source to pass therethrough and which is covered, over a portion of at least one of its two faces, by a photocatalytically active layer. The invention is characterized in that under the weakest illumination conditions, the photocatalytic activity of said layer is high enough for degrading and reducing organic soilings into easily eliminable particles that do not adhere to said layer, and/or for conferring a hydrophilic character to this layer. The invention also relates to a method for producing the aforementioned device, a translucent wall provided for this device, and to the use of the device for lighting tunnels, public lighting, airport runway lighting, indoor lighting or for headlamps or indicator lights of transportation vehicles.